

FINAL REPORT

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GRANT: NAG5-1730

TITLE: IUE-ROSAT Investigation of Seyfert 1 Galaxies

For this project we had a couple of setbacks. Firstly, the ROSAT data which we were expecting to constrain the models was not available, since the targets turned out to be much weaker in the X-rays than expected. Secondly, due to the weakness of the X-ray targets in the all sky survey, we have tried unsuccessfully to obtain pointed observations in the last AO of ROSAT. We will try once more this year. We are also considering the use of archival X-ray data, but due to the non simultaneity of the IUE and X-ray observations some of the aspects of our project will and have remained unanswered. We have completely extracted the IUE data, but with out the X-ray information we are unable to put any constraints and complete the project as desired. A lot of effort was put into developing the photoionization models, but without the observations to constrain the models this effort has for the time being been stopped.

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